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| Form PTO-1449 | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE <div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block; transform: rotate(-45deg);"> RECEIVED OCT 28 2004 PATENT & TRADEMARK OFFICE </div> | | ATTY. DOCKET NO. MI22-1299 | SERIAL NO. 09/428,125 |
| LIST OF ART CITED BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT Vishnu K. Agarwal et al. | |
| FILING DATE October 26, 1999 | | | | GROUP 2822 | |

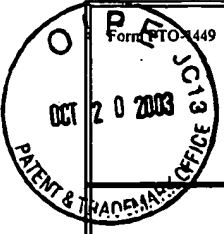
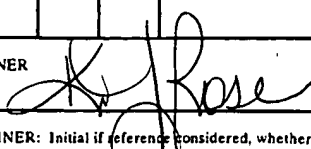
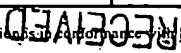
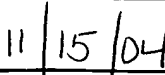
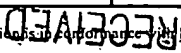
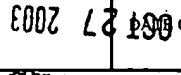
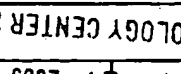
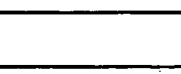
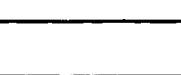
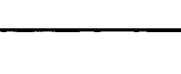
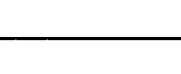
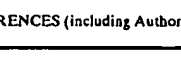
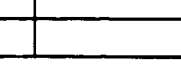
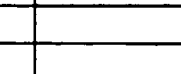
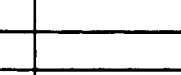
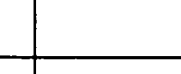


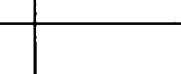
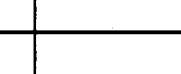
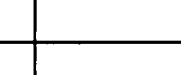

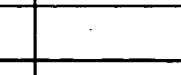
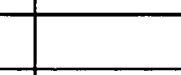
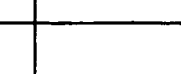
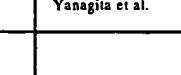
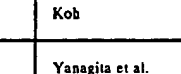
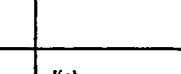




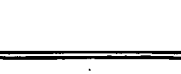

| PATENT DOCUMENTS | | | | | | | |
|-------------------|-----------------|--------------|---------|------------|----------|----------------------------|--|
| *Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate | |
| RR | AA | 5,973,911 | 10-1999 | Nishioka | | | |
| RR | AB | 6,727,143 B1 | 04-2004 | Hui et al. | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
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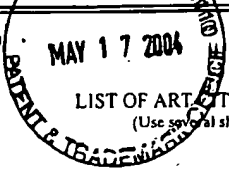
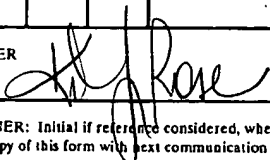
| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| EXAMINER <i>[Signature]</i> | DATE CONSIDERED 11/8/04 |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

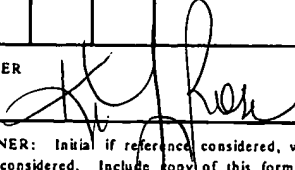
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| | | LIST OF ART CITED BY APPLICANT (Use several sheets if necessary) | | | | | | APPLICANT Vishnu K. Agarwal et al. | |
| | | | | | | | | FILING DATE October 26, 1999 | |
| U.S. PATENT DOCUMENTS | | | | | | | | | |
| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate | | |
| KR | AA | 5,920,775 | 07-1999 | Kob | | | | | |
| KR | AB | 6,376,332 B1 | 04-2002 | Yanagita et al. | | | | | |
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| OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | |
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|  | | Form PTO-1449 | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. MI22-1299 | | SERIAL NO. 09/428,125 | |
| LIST OF ARTS CITED BY APPLICANT (Use several sheets if necessary) | | | | | | APPLICANT Vishnu K. Agarwal et al. | | | |
| | | | | | | FILING DATE October 26, 1999 | | GROUP 2822 | |
| U.S. PATENT DOCUMENTS | | | | | | | | | |
| *Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate | | | |
| KL | AA | 6,204,203 B1 | 03-2001 | Narwankar et al. | | | | | |
| KL | AB | 5,753,547 | 05-1998 | Ying | | | | | |
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| OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | |
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| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | | | |

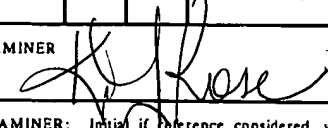
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| LIST OF ART CITED BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT VISHNU K. AGARWAL ET AL. | | | | |
| | | | | FILING DATE APRIL 10, 1998 | | GROUP 2822 | | |
| U.S. PATENT DOCUMENTS | | | | | | | | |
| *Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate | | |
| <div style="font-size: 2em; font-family: cursive;">KR</div> | AA | 09/033,063 | AL-SHAREEF ET AL. | | | 02/28/1998 | | |
| | AB | 09/033,064 | AL-SHAREEF ET AL. | | | 02/28/1998 | | |
| | AC | 09/058,612 | AGARWAL ET AL. | | | 04/10/1998 | | |
| | AD | 09/083,257 | AL-SHAREEF ET AL. | | | 05/21/1998 | | |
| | AE | 09/137,780 | AL-SHAREEF ET AL. | | | 08/20/1998 | | |
| | AF | 09/074,638 | AGARWAL ET AL. | | | 05/07/1998 | | |
| | AG | 08/858,027 | SANDHU ET AL. | | | 05/16/1997 | | |
| | AH | 08/881,561 | SANDHU ET AL. | | | 06/24/1997 | | |
| | AI | 09/086,389 | SANDHU ET AL. | | | 05/28/1998 | | |
| | AJ | 09/122,473 | SCHUEGRAF | | | 07/23/1998 | | |
| <div style="font-size: 2em; font-family: cursive;">KR</div> | AK | 09/098,035 | DeBOER ET AL. | | | 06/15/1998 | | |
| | FOREIGN PATENT DOCUMENTS | | | | | | | |
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| <div style="font-size: 1.5em; font-family: cursive;">H. Rose</div> | | | | <div style="font-size: 1.5em; font-family: cursive;">11/15/04</div> | | | | |
| <small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small> | | | | | | | | |

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| Form PTO-1449 | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. M122-1299 | SERIAL NO. 09/059,057 | |
| LIST OF ART CITED BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT VISHNU K. AGARWAL ET AL. | | |
| | | | | FILING DATE APRIL 10, 1998 | GROUP 2822 | |
| U.S. PATENT DOCUMENTS | | | | | | |
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| RR | AA | 09/185,412 | GRAETTINGER ET AL. | | | 11/03/1998 |
| | AB | 09/229,518 | DeBOER ET AL. | | | 01/13/99 |
| | AC | 08/994,054 | PAREKH ET AL. | | | 08/97 |
| | AD | 08/670,644 | GRAETTINGER ET AL. | | | |
| RR | AE | 08/542,430 | SCHUEGRAF | | | |
| | AF | | | | | |
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| RR | AA | 5,930,584 | 07/99 | SUN ET AL. | | | |
| | AB | 5,910,218 | 06/99 | PARK ET AL. | | | |
| | AC | 5,279,985 | 01/1994 | KAMIYAMA | 437 | 60 | |
| | AD | 5,335,138 | 08/1994 | SANDHU ET AL. | 361 | 303 | |
| | AE | 5,372,859 | 12/1994 | THAKOOR | 427 | 551 | |
| | AF | 5,466,629 | 11/1995 | MIHARA ET AL. | 437 | 60 | |
| | AG | 5,510,651 | 04/1996 | MANIAR ET AL. | 257 | 751 | |
| | AH | 5,555,486 | 09/1996 | KINGON ET AL. | 361 | 305 | |
| | AI | 5,814,852 | 09/1998 | SANDHU ET AL. | 257 | 310 | |
| | AJ | 5,844,771 | 12/1998 | GRAETTINGER ET AL. | 361 | 303 | |
| RR | AK | 4,891,682 | 01/1990 | YUSA ET AL. | 357 | 30 | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| | | | | | | Yes | No |
| RR | AL | 1-222469 A | 05/1989 | JAPAN | | | |
| RR | AM | 06-021333 | 01/1994 | JAPAN (Kato) | | | Abs. |
| RR | AN | 05-221644 | 08/1993 | JAPAN (Munehiro et al.) | | | Abs. |
| | AO | | | | | | |
| | AP | | | | | | |
| OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| RR | AR | McINTYRE, Paul C. et al., <i>Kinetics and Mechanisms of TiN Oxidation Beneath Pt/TiN Films</i> , J. Appl. Phys., Vol. 82, No. 9, pp. 4577-4585 (11/1997). | | | | | |
| | AS | LESAICHERRE, P-Y et al., <i>A Gbit-Scale DRAM Stacked Capacitor Technology with ECR MOCVD SrTiO₃ and RIE Patterned RuO₂/TiN Storage Nodes</i> , 1994 IEEE, pp. 831-834. | | | | | |
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